

Title (en)
COMPOSITE STRUCTURE

Publication
EP 0391581 A3 19910703 (EN)

Application
EP 90303118 A 19900323

Priority
GB 8907469 A 19890403

Abstract (en)
[origin: EP0391581A2] A composite structure comprising: (a) at least one layer comprising at least one uncured or partly cured thermoset resin precursor; (b) in contact therewith, at least one layer comprising at least one amorphous thermoplast, said precursor and said amorphous thermoplast having mutual solubility at a temperature between ambient and thermoset cure temperature; and (c) reinforcing fibre present in either or both of said layers and/or between them. The relative thicknesses of layers (a) and (b) are preferably such that, on curing or further curing, layer (b) merges sufficiently into layer (a) to leave distinguishable thermoplast under 5% of total initial thickness. The thermoplast is preferably a polyarylether containing sulphone groups in its chain. n

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IPC 8 full level
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CPC (source: EP US)
B32B 5/145 (2013.01 - US); **B32B 7/10** (2013.01 - EP); **B32B 27/08** (2013.01 - US); **C08J 5/243** (2021.05 - EP US);
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B32B 2398/10 (2013.01 - US); **B32B 2398/20** (2013.01 - US)

Citation (search report)
• [X] US 4046938 A 19770906 - TOROSSIAN KEVORK A, et al
• [X] EP 0075033 A1 19830330 - HEXCEL CORP [US]
• [X] US 4144305 A 19790313 - COTTRELL JR WALTER D, et al
• [A] US 4267290 A 19810512 - SHERMAN WILLIAM F

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Designated contracting state (EPC)
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EP 0391581 A2 19901010; **EP 0391581 A3 19910703**; GB 8907469 D0 19890517; JP H0327936 A 19910206

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